

Converting Colors

$Y_{xy}(45.9724, 0.2995, 0.2739)$

Have a look what the booklet for
Yxy(45.9724, 0.2995, 0.2739)
contains.

Yxy(46.1413, 0.2991, 0.2740)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.1413, 0.2991, 0.2740)

Conversions

Conversions Part 1

Format	Color
Hex	C6ABD9
RGB	198, 171, 217
RGB Percent	78%, 67%, 85%
CMY	0.2237, 0.3293, 0.1491
CMYK	0.09, 0.21, 0.00, 0.15
HSL	275°, 38%, 76%
HSV	275°, 21%, 85%
XYZ	50.3681, 46.1413, 71.8895
YIQ	184.3170, 1.3260, 20.0300

Conversions

Conversions Part 2

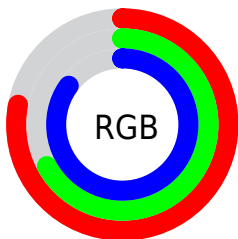
Format	Color
RYB	198, 171, 217
Decimal	13020121
CIELab	73.64, 18.25, -19.61
CIELCh	74, 26.785, 312.945
Yxy	46.1413, 0.2991, 0.2740
Android (android.graphics.Color)	4291210201 (0xFFC6ABD9)
YUV	184.3170, 16.1127, 12.0000
Hunter-Lab	67.9274, 13.4847, -15.1991

Details

The Yxy color $46.1413, 0.2991, 0.2740$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $63.5138, 0.3239, 0.3852$, and the grayscale version is $48.0249, 0.3127, 0.3290$.

A 20% lighter version of the original color is $82.8727, 0.3140, 0.3009$, and $21.7316, 0.2951, 0.2605$ is the 20% darker color. If you saturate the color by 10%, you get $37.4226, 0.2910, 0.2458$, and if you desaturate by 10%, it is $56.2819, 0.3061, 0.3009$.

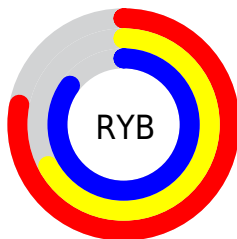
Distribution



Red (78%)

Green (67%)

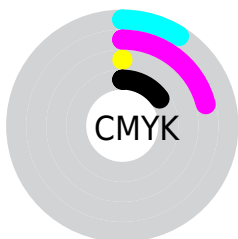
Blue (85%)



Red (78%)

Yellow (67%)

Blue (85%)

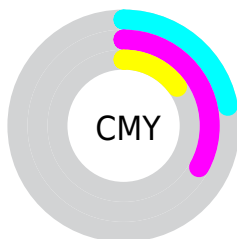


Cyan (9%)

Magenta (21%)

Yellow (0%)

Black (15%)



Cyan (22%)

Magenta (33%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.1413, 0.2991, 0.2740 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 46.1413, 0.2991, 0.2740 by changing the saturation by 10% instead.

■ 46.1413, 0.2991,
0.2740

■ 46.1413, 0.2991,
0.2740

371.3764, 0.3062,
0.3005

■ 32.3573, 0.2972,
0.2677

■ 84.4304, 0.3018,
0.2834

■ 21.6346, 0.2948,
0.2598

109.7044, 0.3027,
0.2870

■ 13.5886, 0.2915,
0.2496

139.5771, 0.3036,
0.2900

■ 7.8351, 0.2868,
0.2360

174.4330, 0.3043,
0.2927

■ 3.9896, 0.2796,
0.2170

214.6565, 0.3049,
0.2950

■ 1.6678, 0.2675,
0.1886

260.6320, 0.3054,

■ 0.4027, 0.2501,

0.2970

0.1216

312.7438, 0.3058,
0.2988

0.0000, 0.0000,
0.0000

46.1413, 0.2991,
0.2740

46.1413, 0.2991,
0.2740

37.4226, 0.2910,
0.2458

56.2819, 0.3061,
0.3009

30.0532, 0.2818,
0.2171

67.9007, 0.3121,
0.3261

23.9625, 0.2717,
0.1889

81.0585, 0.3171,
0.3493

19.0713, 0.2608,
0.1624

94.0017, 0.3215,
0.3677

15.2912, 0.2496,
0.1392

95.5592, 0.3272,
0.3670

■ 12.5209, 0.2385,
0.1203

■ 97.1947, 0.3331,
0.3663

■ 10.6398, 0.2279,
0.1065

■ 97.7892, 0.3352,
0.3661

■ 9.5369, 0.2192,
0.0981

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.1413, 0.2666, 0.2678



46.1413, 0.2991, 0.2740



46.1413, 0.3373, 0.2928

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.1413, 0.2991, 0.2740



46.1413, 0.3822, 0.3785



46.1413, 0.2576, 0.3343

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.1413, 0.2991, 0.2740



63.5138, 0.3239, 0.3852

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.1413, 0.2861, 0.3697



46.1413, 0.2991, 0.2740



46.1413, 0.3582, 0.3950

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.1413, 0.2991, 0.2740



46.1413, 0.3870, 0.3509



46.1413, 0.3228, 0.3926



46.1413, 0.2438, 0.2999

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.1413, 0.2991, 0.2740



46.1413, 0.3606, 0.3104



46.1413, 0.3228, 0.3926



46.1413, 0.2657, 0.3467

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.1433, 0.2991, 0.2740



89.4427, 0.3093, 0.3141



50.5711, 0.2790, 0.2953



18.9088, 0.3089, 0.3125



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.1433, 0.2991, 0.2740



61.1865, 0.2960, 0.2627



48.6950, 0.3183, 0.2807



12.9924, 0.3072, 0.3055



5.8370, 0.2206, 0.0989



0.4282, 0.2366, 0.1077

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



47.6023, 0.3380, 0.3066



63.6733, 0.3442, 0.3021



61.3697, 0.3075, 0.3825



13.1404, 0.3227, 0.3194



9.3945, 0.5311, 0.2699



0.6255, 0.4888, 0.2466

Previews

White Background



This preview shows how the Yxy color 46.1413, 0.2991, 0.2740 looks on a white background.

Color Contrast Check

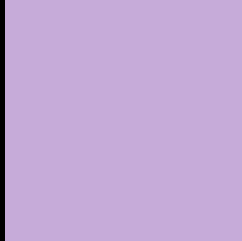
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.1413, 0.2991, 0.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

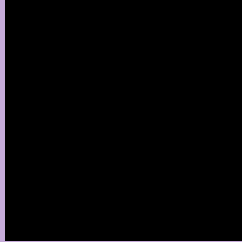
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.1413, 0.2991, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 46.1413, 0.2991, 0.2740.



This preview shows how white text looks on a background with the Yxy color 46.1413, 0.2991, 0.2740.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

46.1413, 0.2991, 0.2740

Protanopia

46.2258, 0.2740, 0.2739

Deuteranopia

46.3472, 0.2870, 0.2806



Tritanopia

46.2377, 0.3170, 0.3114

Trichromacy



Original Color

46.1413, 0.2991, 0.2740

Protanomaly

46.0949, 0.2827, 0.2735

Deuteranomaly

46.3092, 0.2917, 0.2788

Tritanomaly

46.0443, 0.3099, 0.2969

Monochromacy



Original Color

46.1413, 0.2991, 0.2740

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.0445, 0.3078, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.1413, 0.2991, 0.2740 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(198, 171, 217)` looks like.

```
.text, #text, p{  
    color:rgb(198, 171, 217)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(198, 171, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 171, 217) }
```

Border

The CSS property to change the border of an element to Yxy 46.1413, 0.2991, 0.2740 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 171, 217) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(198, 171, 217) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(198, 171, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 171, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 171, 217);  
box-shadow:4px 4px 4px 4px rgb(198, 171,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 46.1413, 0.2991, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 171, 217) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(198,  
171, 217) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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